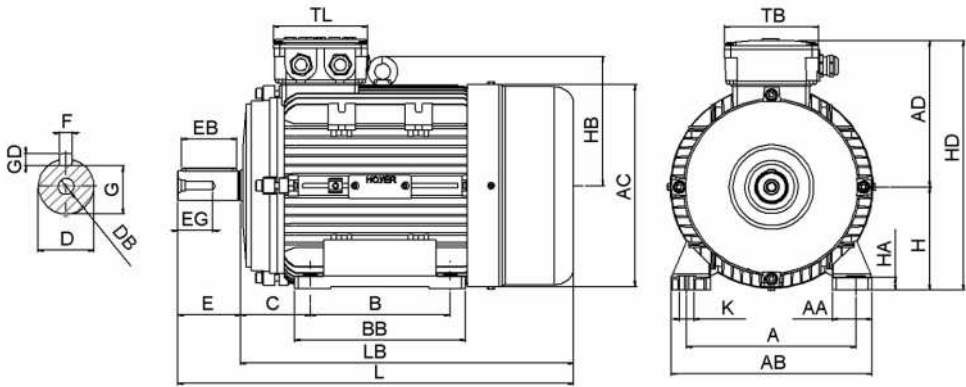


Data Sheet

Itemnumber..... 5520900109



A = 140	AC = 175	BB = 155	DB = M8	EG = 24	GD = 7	HD = 222	LB = 278	TL = 100
AA = 35	AD = 132	C = 56	E = 50	F = 8	H = 90	K = 4	LE = 319	
AB = 177	B = 100	D = 24	EB = 40	G = 20	HA = 13	L = 328	TB = 100	

Version Type..... HMA3 90S-2 Design..... Induction motor Standard series..... IEC 60034 Phase / Voltage range..... 3~ / Low	Mechanical design Frame size..... 90 Mounting..... B3 Rain cap..... No Protection class..... IP55 Cooling method..... IC411/TEFC External grounding..... Yes Drain hole..... Yes Frame material..... Aluminium Material approval..... None Shaft..... IEC standard Key..... Closed key Balancing..... Half key balancing Vibration class..... Grade-A Weight (kg)..... 15,0	Bearing DE Bearing..... 6205-ZZ/C3 NDE Bearing..... 6205-ZZ/C3 Fixed bearing..... DE
Electrical design Efficiency..... IE3 Pole..... 2 Power at 50 Hz (kW)..... 1,50 Hz..... 50 Voltage..... 230VD/400VY Winding voltage..... 230VD/400VY 50 Hz Power output (kW)..... 1,50 Duty..... S1 Insulation class..... F Temperature rise..... B	Environment condition Ambient temp. min. (°C)..... -20 Ambient temp. max. (°C)..... 40 Altitude (mtr up to)..... 1000	Terminal box Tbox position..... Top Cable entry direction..... Right (from DE) Cable entry Main..... 2 x M20x1,5 Plastic blindcaps Accessory..... NA Connection type..... Star (Y) Terminal board thread..... 6-M4
Motor protection Thermal protection main..... PTC 3x 155 dgr Thermal protection second.. None Space heater..... None Temperature detector..... No SPM..... No IR wire..... No Tropical insulation..... No	Explosion protection According to..... None Type of protection..... None	Test values Rotor inertia (kgm²)..... 0,0022 Noise level (dB(A))..... 62 No load current (A)..... 1,64 Winding resist. (ohm)..... 3,01 Starting time (sec.)..... 0,06 Temp. rise winding (K)..... 43 Temp. rise surface (K)..... 21
General Direction of rotation..... CW Painting..... RAL 9005 Gloss 10 Nameplate..... Multivoltage Special packing..... No Special requirements..... No		

Rated power (kW)	1,50	1,46	1,80	1,74
Frequency (Hz)	50	50	60	60
Voltage (V)	230 400	220 380	280 480	440
Connection	D Y	D Y	D Y	Y
Full load current (A)	5,40 3,15	5,60 3,20	5,40 3,15	3,20
Speed (rpm)	2920	2920	3500	3500
Power factor cos(phi)	0,82	0,83	0,82	0,84
Efficiency, 100/75/50 (%) . .	84,9/85,3/83,9	84,9/85,3/83,9	84,9/85,3/83,9	83,8/84,3/82,7
Ist/In	9,1	8,0	9,1	8,3
Full load torque (Nm)	4,90	4,75	4,90	4,75
Tst/Tn	2,8	2,6	2,8	2,4
Tmax /Tn	3	2,8	3	2,6
Duty	S1	S1	S1	S1
Ambient temp. (°C)	40	45	40	45